WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
MONTANA

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE.
and
MONTANA AGRICULTURAL EXPERIMENT STATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State, and private organizations listed on the inside back cover of this report.

AS OF
MAR. 1, 1966

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
WESTERN UNITED STATES	MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS
BASIC DATA SUMMARY	OCTOBER 1	PORTLAND, OREGON	ALL COOPERATORS
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

REPORTS	ISSUED	AGENCY
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

USDA-SCS-PORTLAND, OREG. 1965

WATER SUPPLY OUTLOOK

FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS

for

MONTANA

Report Prepared

By

Phillip E. Farnes
Snow Survey Supervisor

And

Stanley E. Cook
Assistant Snow Survey Supervisor

Snow Survey and Water Supply Forecasting Branch
Soil Conservation Service
Box 855
Bozeman, Montana

Issued By

A. B. Linford
State Conservationist
Soil Conservation Service
Bozeman, Montana

J. A. Asleson, Director
Montana Agricultural
Experiment Station
Bozeman, Montana

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MONTANA
WATER SUPPLY OUTLOOK
as of
March 1, 1966

The current water supply outlook varies from Poor in the westcentral, Fair in the southwest to Good elsewhere.

Some shortage of late season irrigation water is anticipated for the Upper Clark Fork and Bitterroot drainages and streams tributary to the Missouri River not having reservoir storage.

The snow pack is near average in the Kootenai and Flathead drainages, tapering off to about three-quarters average in the central and southern portions of the state.

Moisture in the soil under the snow pack is generally above average.

Snow cover in the Kootenai River drainage is near average and about 90 percent of last year. The Flathead River drainage has a snow pack about three-fourths that of a year ago and 94 percent average. The Lower Clark Fork is about 75 percent of last year and 90 percent average. The headwaters of the Clark Fork and the Bitterroot drainages have a shallow snow pack. The March 1 measurements are about one-half of last year and about 70 percent of the 1948-62 average.

East of the Divide, snow cover in the Jefferson, Madison and Gallatin drainages is about one-half of last year and 70 to 75 percent average.

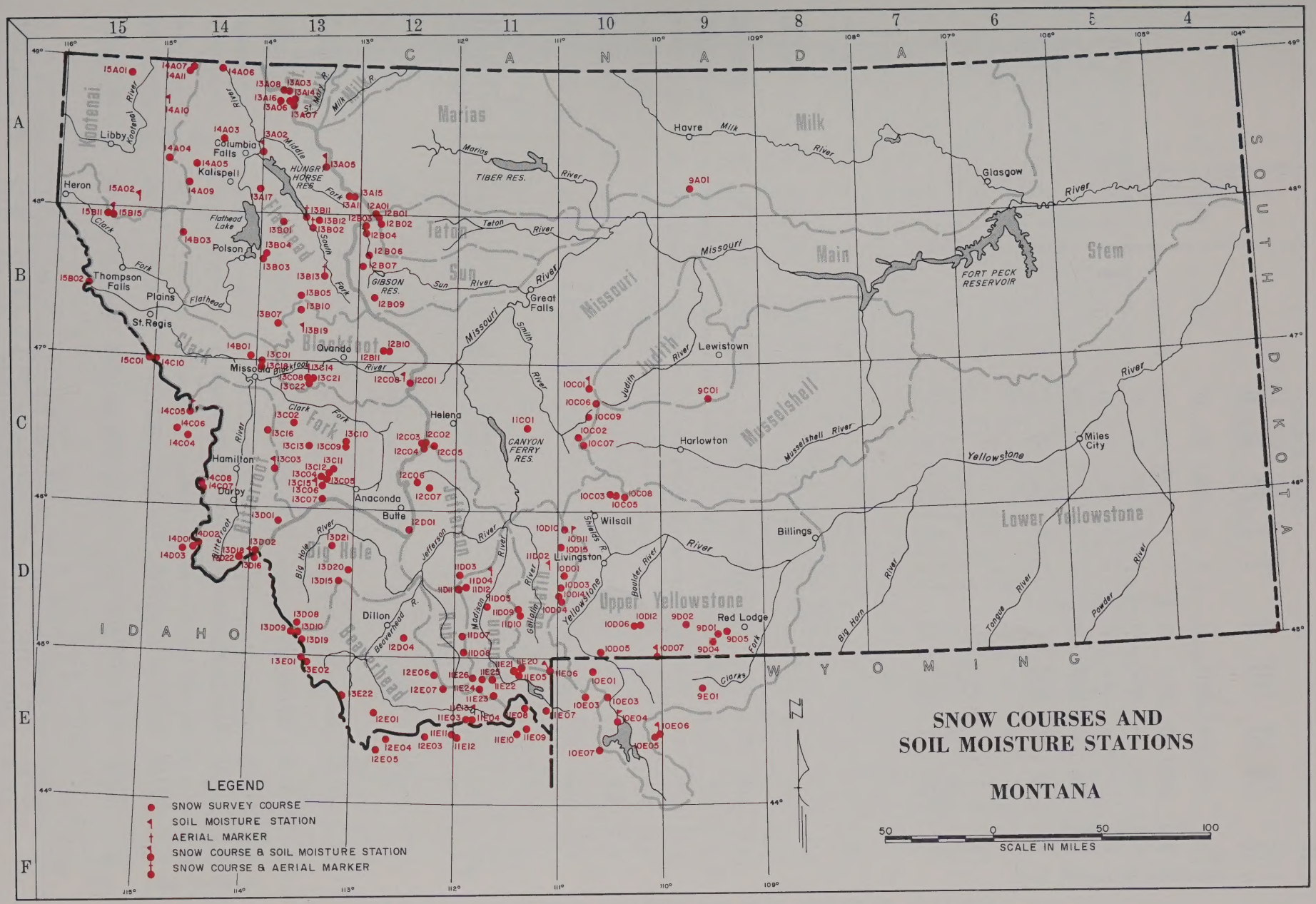
Along the Main Stem of the Missouri, snow cover is about 80 percent average in the Toston to Fort Benton area, increasing to about 90 percent average in the Sun, Teton and Marias River drainages. Snow pack in the Yellowstone is about one-half that of a year ago and 80 percent average.

In general, soil moisture under the snow pack is above average and will increase the runoff from the low snow pack.

Shortages of late season irrigation water supplies are expected to occur on the Bitterroot and Upper Clark Fork tributaries and possibly on tributaries to the Missouri River that do not have adequate reservoir storage. Streamflow is forecast about 70 to 80 percent average in the Upper Clark Fork-Bitterroot drainage. Flathead River tributaries are forecast 90 to 100 percent average and Kootenai flows are expected to be a little above average.

East of the Divide, streamflow is forecast 75 to 90 percent average on the headwaters of the Missouri and on streams tributary to the Missouri. Yellowstone River tributaries are forecast 80 to 90 percent average. The Milk and St. Mary River drainages in Northern Montana are forecast about 5 percent less than the 1948-62 average.

Reservoir storage is generally near or above average in irrigation reservoirs and near average in multipurpose and water power reservoirs.


SNOW COURSES AND
SOIL MOISTURE STATIONS
MONTANA
LEGEND
SNOW SURVEY COURSE
SOIL MOISTURE STATION
AERIAL MARKER
SNOW COURSE & SOIL MOISTURE STATION
SNOW COURSE & AERIAL MARKER
SCALE IN MILES
50 0 50 100
CANADA
IDAHO
WYOMING
SOUTH DAKOTA
Libby
Columbia Falls
Kalispell
Heron
Polson
Thompson Falls
Plains
St. Regis
Missoula
Hamilton
Darby
Anaconda
Butte
Dillon
Helena
Havre
Glasgow
Great Falls
Lewistown
Harlowton
Wilsall
Livingston
Billings
Miles City
Red Lodge
Flathead Lake
Hungry Horse Res.
Tiber Res.
Gibson Res.
Canyon Ferry Res.
Fort Peck Reservoir
Kootenai River
Flathead River
Clark Fork River
Bitterroot River
Big Hole River
Beaverhead River
Madison River
Jefferson River
Gallatin River
Yellowstone River
Boulder River
Shields R.
Smith River
Judith River
Musselshell River
Milk River
Marias River
Teton River
Sun River
Missouri River
Powder River
Tongue River
Big Horn River
Clarks Fork
Upper Yellowstone
Lower Yellowstone
Main Stem
Kootenai
Flathead
Clark Fork
Blackfoot
Big Hole
Bitterroot
Beaverhead
Madison
Gallatin
Jefferson
Missouri
Marias
Teton
Sun
Smith
Judith
Musselshell
Milk
Yellowstone

INDEX to MONTANA SNOW COURSES and SOIL MOISTURE STATIONS

SNOW COURSES

COLUMBIA RIVER BASIN

KOOTENAI RIVER

Drainage Basin & Course Name	Number	Elev.	Sec.	Twp.	Range	Record Began	Measuring Dates 1/	Meas. By 2/
Baree Creek	15B11	5500	36	26N	31W	1956	3,4,5,5⅛	2
Baree Trail	15B15	3800	5	25N	30W	1965	3,4,5,5⅛	2
Brush Creek	14A04	5000	12	30N	26W	1937	3,4,5	1,2
Graves Creek	14A11	4300	1	36N	29W	1965	3,4,5,5⅛,6	1,2
Red Mountain	15A01	6000	4	36N	29W	1937	3,4,5,5⅛,6	1,2
Weasel Divide	14A07	5450	20	37N	24W	1937	3,4,5,5⅛,6	1,2

FLATHEAD RIVER

Bassoo Peak	14B03	5150	11	24N	29W	1961	3,4,5	1,5
Beaver Lake	13A11	5900	31	28N	11W	1964	3,4,5	1
Big Creek	13B03	6750	7	22N	18W	1941	3,4,5, 6	1,5
Camp Misery	13A17	6400	30	28N	18W	1962	3,4,5	1,2
Desert Mountain	13A02	5600	24	31N	19W	1937	1,2,3,4,5, 6	1,2
Fatty Creek	13B04	5500	8	22N	18W	1962	3,4,5, 6	1,5
Griffin Creek Divide	14A09	5150	11	28N	25W	1960	3,4,5	1,5
Gunsight Lake	13B12	6300	35	26N	14W	1964	3,4,5	1
Hell Roaring Divide	14A03	5770	35	32N	22W	1942	1,2,3,4,5,5⅛,6	2
Holbrook	13B13	4530	18	21N	13W	1951	1,2,3,4,5	1
Kishenehn	14A06	3890	14	37N	22W	1954	3,4	6
Logan Creek	14A05	4300	34	30N	24W	1937	3,4,5	1,2
Marias Pass	13A05	5250	34	30N	14W	1934	1,2,3,4,5	3
Mineral Creek	13A16	4000	29	35N	17W	1957	3,4,5	6
North Fork Jocko	13B07	6330	3	17N	17W	1941	3,4,5,5⅛,6	1,5
Spotted Bear Mountain	13B02	7000	23	25N	15W	1948	1,2,3,4,5	1,2
Trinkus Lake	13B01	6100	9	25N	17W	1948	3,4,5	1
Twin Creeks	13B11	3580	24	26N	16W	1951	1,2,3,4,5	1,2
Upper Holland Lake	13B05	7000	28	20N	15W	1948	3,4,5	1

CLARK FORK RIVER

Black Pine	13C13	7100	26	8N	15W	1959	3,4,5,5⅛,6	1,2
Copper Creek	12B10	5700	1	15N	9W	1962	3,4,5	1,2
Cotter Mine	12B11	6250	2	15N	9W	1962	3,4,5	1,2
Coyote Hill	13B10	4200	12	18N	16W	1947	1,2,3,4,5	1,2
El Dorado Mine	13C09	7800	23	8N	12W	1949	3,4	1
Fred Burr Pass	13C11	8000	12	6N	13W	1957	3,4,5	1
Gold Creek Lake	13C10	7200	14	8N	12W	1949	3,4	1
Heart Lake Trail	14C10	4800	11	14N	27W	1965	3,4,5	1,2
Hoodoo Creek	15C01	5900	16	14N	27W	1937	3,4,5	1,2
Intergaard	13C04	6450	6	5N	13W	1936	2,3,4,5	4
Lubrecht Forest No. 3	13C21	5450	19	13N	14W	1951	1,2,3,4,5	8
Lubrecht Forest No. 4	13C22	4650	23	13N	15W	1951	1,2,3,4,5	8
Lubrecht Forest No. 6	13C08	4040	11	13N	15W	1951	1,2,3,4,5	8
Red Lion	13C12	7100	22	6N	13W	1958	3,4,5	1
Skalkaho Summit	13C03	7260	30	6N	17W	1937	3,4,5,5⅛,6	1
Slide Rock Mountain	13C02	7100	35	10N	16W	1937	3,4,5	1
Southern Cross	13C05	6500	8	5N	13W	1936	2,3,4	4
Spring Gulch	13C18	6000	12	14N	19W	1961	1,2,3,4,5	8
Storm Lake	13C07	7780	19	4N	13W	1939	1,2,3,4,5	1
Stuart Mill	13C06	6500	19	5N	13W	1936	2,3,4	4
Stuart Mountain	13C01	7400	6	14N	18W	1936	1,2,3,4,5,5⅛,6	8
TV Mountain	14B01	6800	33	15N	19W	1956	1,2,3,4,5,5⅛,6	8

BITTERROOT RIVER

Ambrose	13C16	6480	28	9N	18W	1960	3,4,5	1
East Fork R. S.	13D01	5400	16	2N	17W	1937	3,4	1
Gibbons Pass	13D02	7100	4	2S	19W	1934	1,2,3,4,5,5⅛,6	1,3
Lost Horse	14C07	5940	5	4N	23W	1960	3,4,5,5⅛,6	1
Nez Perce Camp	14D02	5680	19	1S	23W	1937	3,4,5	1
Nez Perce Pass	14D01	6570	25	1S	24W	1937	3,4,5	1
Saddle Mountain	13D22	7940	5	2S	19W	1965	3,4,5,5⅛,6	1
Twin Lakes	14C08	6510	32	5N	23W	1960	3,4,5,5⅛,6	1

ST. MARY RIVER BASIN

Iceberg Lake No. 3	13A03	5600	1	35N	17W	1922	5	3,9
Josephine Lower No. 9	13A14	4900	22	35N	16W	1955	5	3,9
Mount Allen No. 7	13A07	5700	27	35N	16W	1922	5	3,9
Piegan Pass No. 6	13A06	5500	27	35N	16W	1922	5	3,9
Ptarmigan No. 8	13A08	5800	36	36N	17W	1937	5	3,9

MISSOURI RIVER BASIN

BEAVERHEAD RIVER

Bloody Dick	13D10	7600	12	8S	16W	1948	3,4,5	1
Carter Creek	12D04	7400	22	8S	7W	1963	2,3,4	1
Dad Creek Lake	13E22	8400	24	12S	13W	1965	3,4,5	1
Elkhorn Springs	13D15	7800	21	4S	12W	1935	3,4,5	3
Gold Stone	13D09	8100	11	8S	16W	1948	3,4,5	1
Lakeview Canyon	11E04	6930	26	14S	2W	1948	3,4,5	10
Lakeview Ridge	11E03	7400	27	14S	2W	1948	3,4,5	10
Lemhi Pass	13E01	7480	9	10S	15W	1948	3,4	1
Trail Creek	13E02	7090	15	10S	15W	1948	3,4	1
White Pine Ridge	12E01	8850	18	14S	9W	1948	3,4,5	1

MISSOURI RIVER BASIN (continued)

RUBY RIVER

Clover Meadow	11D08	8600	28	9S	2W	1963	3,4,5	1
Divide	12E07	7900	14	12S	4W	1963	3,4,5	1
Notch	12E06	8500	18	11S	4W	1963	3,4,5	1

BIG HOLE RIVER

Abundance Lake	13D20	8800	7	3S	11W	1963	3,4,5	1
Darkhorse Lake	13D19	8600	4	8S	16W	1963	3,4,5	1
Foolhen	13D21	8280	11	1S	13W	1963	3,4,5	1
Jahnke Creek	13D08	7340	25	7S	16W	1948	3,4,5	1

JEFFERSON RIVER

Berry Meadow	12C07	7300	8	5N	5W	1962	3,4,5	1
Picnic Grounds	12C06	6500	10	5N	6W	1941	2,3,4	4
Pipestone Pass	12D01	7200	10	1N	7W	1938	1,2,3,4,5	1

MADISON RIVER

Call Road	11D07	8050	21	8S	2W	1962	3,4,5	1
Four Mile	11D12	6900	6	4S	2W	1965	3,4,5	1
Freezeout Lake	11E25	7200	6	12S	1E	1965	3,4,5,5⅛,6	2
Freezeout Mountain	11E26	8250	26	11S	1W	1965	3,4,5,5⅛,6	2
Hebgen Dam	11E05	6550	22	11S	3E	1934	1,2,3,4,5	3
Jack Creek	11D05	7500	13	6S	1E	1961	3,4	1
Lake Creek	11E22	6100	27	11S	1E	1965	3,4,5,5⅛,6	2
Lower Twin	11D11	7900	12	4S	3W	1965	3,4,5	1
Meridian Creek	11E23	7000	31	12S	1E	1965	3,4,5,5⅛,6	2
North Meadow	11D03	7500	24	3S	3W	1961	3,4,5	1
Potomageton Park	11E21	7350	33	10S	3E	1965	3,4,5	2
Sentinel Creek	11E20	8300	17	10S	3E	1965	3,4,5	2
Teepee Creek	11E24	8000	15	12S	1W	1965	3,4,5,5⅛,6	2
West Yellowstone	11E07	6700	34	13S	5E	1934	1,2,3,4,5	3

GALLATIN RIVER

Arch Falls	10D14	7350	3	5S	6E	1963	2,3,4,5,5⅛,6	1
Bear Basin	11D09	8150	9	6S	3E	1963	3,4,5	1
Bridger Bowl	10D15	7250	25	1N	6E	1965	1,2,3,4,5⅛,6	1
Devil's Slide	10D04	8100	14	5S	6E	1935	2,3,4,5,5⅛,6	1
Hood Meadow	10D03	6600	22	4S	6E	1935	2,3,4,5,5⅛,6	1
Little Park	11D10	7400	22	6S	3E	1963	3,4,5	1
New World	10D01	6700	24	3S	6E	1939	2,3,4	1
Twenty-One Mile	11E06	7150	1	11S	5E	1934	1,2,3,4,5	3

MISSOURI RIVER MAIN STEM

Boulder Mountain	11C01	7950	1	9N	3E	1963	3,4,5	1
Chessman Reservoir	12C05	6200	2	8N	5W	1936	1,2,3,4,5	3
Deadman Creek	10C09	6450	23	12N	8E	1966	3,4,5,5⅛,6	1
Elk Peak	10C07	8000	10	8N	8E	1963	3,4,5	1
Grasshopper	10C02	7000	19	9N	8E	1938	3,4,5	1
Kings Hill	10C01	7500	34	13N	8E	1934	3,4,5,5⅛,6	1,3
Rocky Boy	9A01	5200	15	28N	16E	1941	3,4	7
Stemple Pass	12C01	6600	16	13N	7W	1934	3,4,5	3
Ten Mile Lower	12C02	6600	12	8N	6W	1935	1,2,3,4,5	3
Ten Mile Middle	12C03	6800	13	8N	6W	1934	1,2,3,4,5	3
Ten Mile Upper	12C04	8000	19	8N	5W	1935	1,2,3,4,5	3

SUN-TETON-MARIAS RIVERS

Badger Pass	13A15	6900	4	27N	11W	1964	3,4,5	1
Cabin Creek	12B06	5200	33	23N	10W	1949	3,4,5	1
Five-Bull	12B09	5700	25	20N	10W	1948	3,4,5	1
Freight Creek	12A01	6000	13	26N	10W	1948	3,4,5	1
Goat Mountain	12B07	7000	20	22N	10W	1934	3,4,5	3
Waldron Creek	12B02	5300	16	25N	9W	1948	3,4,5	1
West Fork	12B01	6000	6	25N	9W	1948	3,4,5	1
Wrong Creek	12B04	5700	32	25N	10W	1949	3,4,5	1
Wrong Ridge	12B03	6800	17	25N	10W	1949	3,4,5	1

JUDITH RIVER

Crystal Lake	9C01	6100	19	12N	18E	1941	3,4	1
Spur Park	10C06	8000	20	12N	9E	1963	3,4,5,5⅛,6	1

UPPER YELLOWSTONE RIVER

Bald Ridge	10C05	7500	11	4N	10E	1961	3,4,5	1
Camp Senia	9D01	7890	2	8S	18E	1937	3,4,5,5⅛,6	1
Crevice Mountain	10D05	8400	22	9S	9E	1935	3,4	2
Grizzly Peak	9D05	8400	26	7S	19E	1961	1,2,3,4,5	1
Independence	10D06	8000	22	7S	12E	1940	3,4,5	1
Monument Peak	10D12	9000	22	7S	12E	1961	3,4,5	1
Northeast Entrance	10D07	7400	33	9S	14E	1937	1,2,3,4,5	6
Porcupine R. S.	10C03	6500	10	4N	10E	1938	3,4,5	1
Sacajawea	10D10	6550	36	2N	6E	1960	3,4,5	1
South Fork Shields	10C08	8100	13	4N	10E	1965	3,4,5	1
Timberline Creek	9D04	8850	10	8S	18E	1961	3,4,5	1
West Rosebud	9D02	7500	9	7S	16E	1960	3,4	4

SOIL MOISTURE STATIONS

COLUMBIA RIVER BASIN

KOOTENAI RIVER

Drainage Basin & Course Name	Number	Elev.	Sec.	Twp.	Range	Record Began	Measuring Dates 1/	Meas. By 2/
Baree Trail	15B15M	3800	5	25N	30W	1964	Monthly	2
Murphy Lake R. S.	14A10M	3000	5	34N	25W	1964	Monthly	2
Raven R. S.	15A02M	3050	2	26N	29W	1964	Monthly	2

FLATHEAD RIVER

Desert Mountain	13A02M	5600	24	31N	19W	1956	Monthly	1
Marias Pass	13A05M	5250	34	30N	14W	1950	Monthly	1

CLARK FORK RIVER

Georgetown Lake	13C15M	6450	6	5N	13W	1962	Monthly	1
Lubrecht Forest	13C14M	4100	11	13N	15W	1961	Monthly	8
Seeley Lake	13B19M	4030	21	17N	15W	1963	Monthly	2
Skalkaho Summit	13C03M	7260	30	6N	17W	1964	Monthly	1

BITTERROOT RIVER

Gibbons Pass	13D18M	7100	4	2S	19W	1962	Monthly	1
Lolo Pass	14C05M	5250	11	10N	24W	1963	Monthly	1

MISSOURI RIVER BASIN

BEAVERHEAD RIVER

Lakeview	11E13M	6700	23	14S	2W	1962	Monthly	10

MADISON RIVER

Red Bluff	11D04M	4800	7	3S	1E	1961	Monthly	7

GALLATIN RIVER

Bridger Bowl	10D15M	7250	25	1N	6E	1965	Monthly	1
College Site	11D02M	4856	18	2S	5E	1956	Monthly	1
Twenty-One Mile	11E06M	7150	1	11S	5E	1963	Monthly	6

MISSOURI RIVER MAIN STEM

Kings Hill	10C01M	7420	34	13N	8E	1963	Monthly	1
Stemple Pass	12C08M	6350	16	13N	7W	1963	Monthly	1

YELLOWSTONE RIVER

Battle Ridge	10D11M	6020	32	2N	7E	1960	Monthly	1
Northeast Entrance	10D07M	7350	33	9S	14E	1962	Monthly	6

LEGEND

1/ Numerals 1,2,3,4,5,5⅛,6 refer to January 1, February 1, March 1, April 1, May 1, May 15 and June 1.

2/ Numerals refer to Agency that secures the snow survey as follows:

1. U. S. Soil Conservation Service
2. U. S. Forest Service
3. U. S. Geological Survey
4. Montana Power Company
5. U. S. Indian Service
6. U. S. National Park Service
7. MSU Agricultural Experiment Station
8. U. of M. School of Forestry
9. Dominion Water & Power Bureau
10. U. S. Bureau of Sport Fisheries & Wildlife

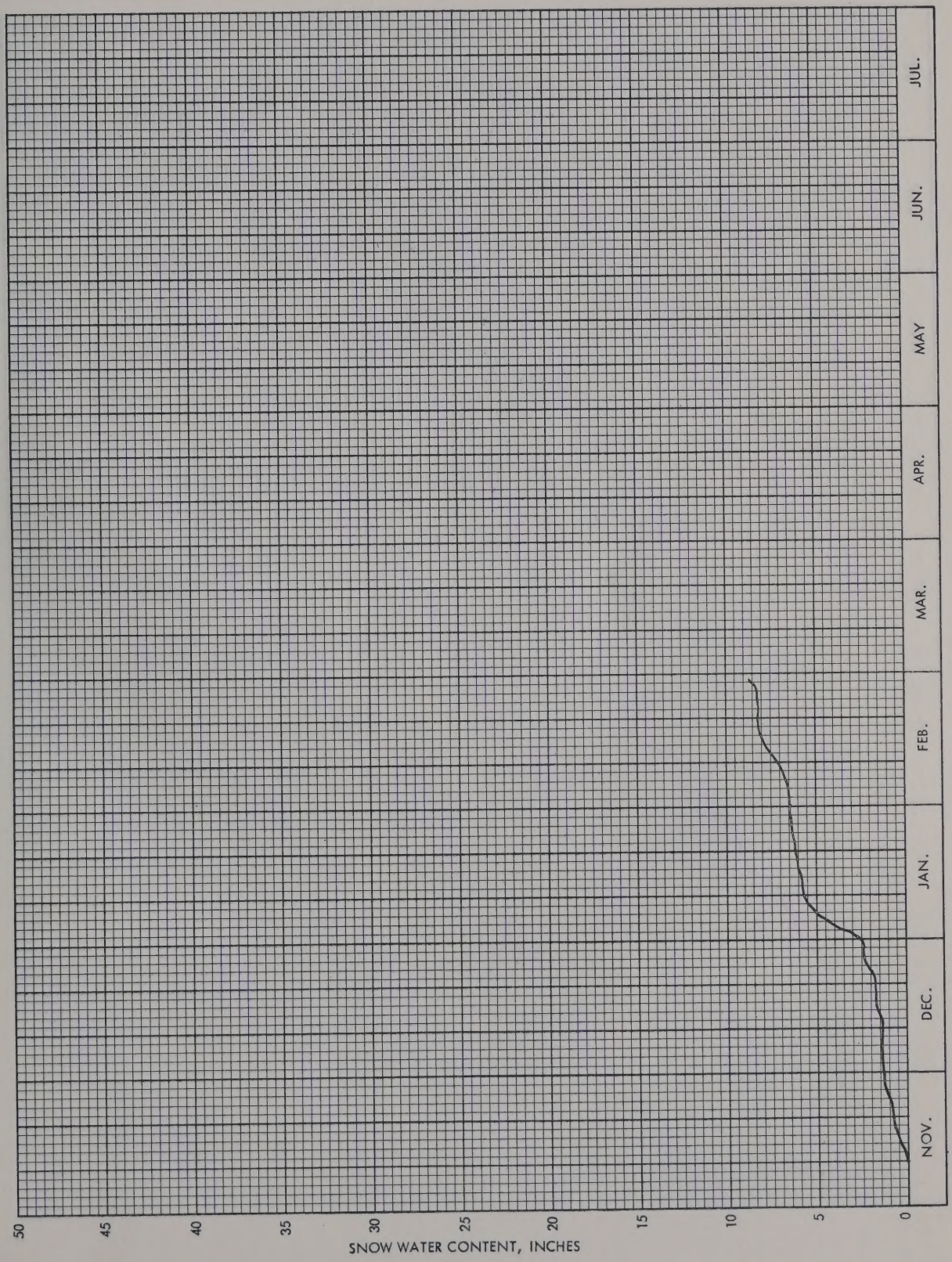
M - Soil Moisture

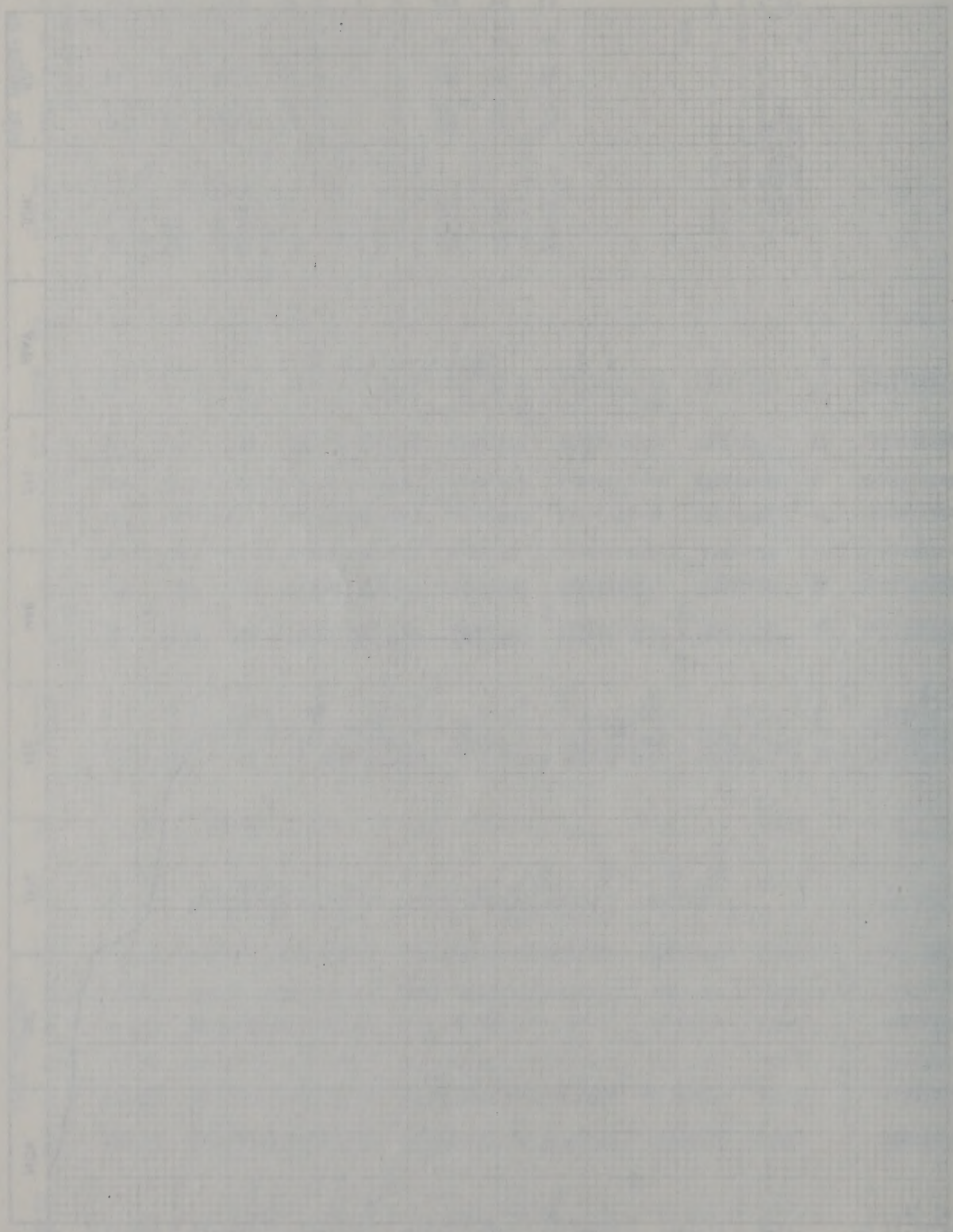
BLACK PINE
SNOW PILLOW DATA

AS OF MARCH 1, 1966

Sec. 26 T. 8N R. 15W No. 13C13 Drainage: Columbia

Lat. 46-25 Long. 113-26 Elev. 7100 Clark Fork



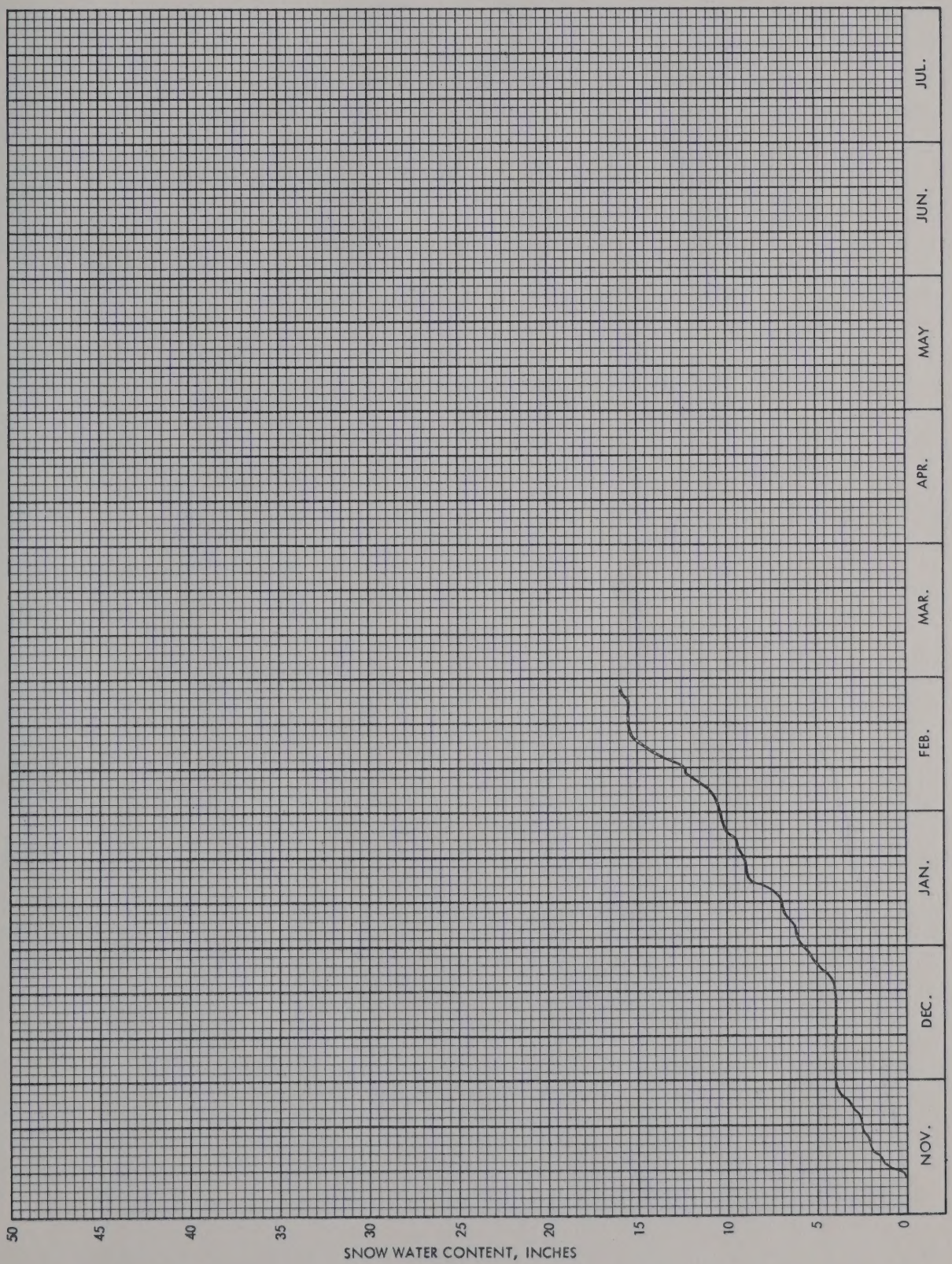


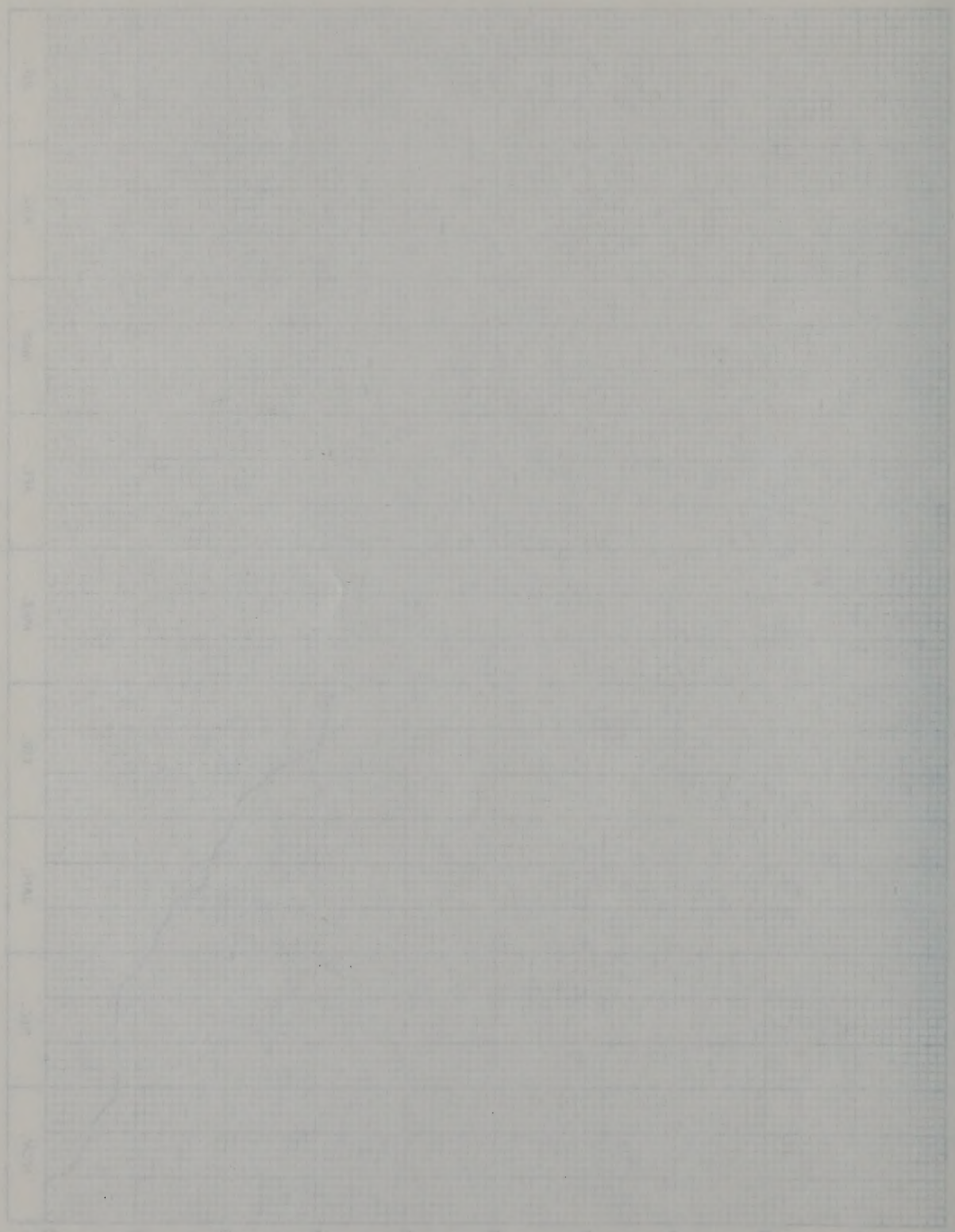
BRIDGER BOWL
SNOW PILLOW DATA

AS OF MARCH 1, 1966

Sec. 25 T. 1N R. 6E No. 10D15 Drainage: Missouri

Lat. 45-48 Long. 110-55 Elev. 7250 Gallatin



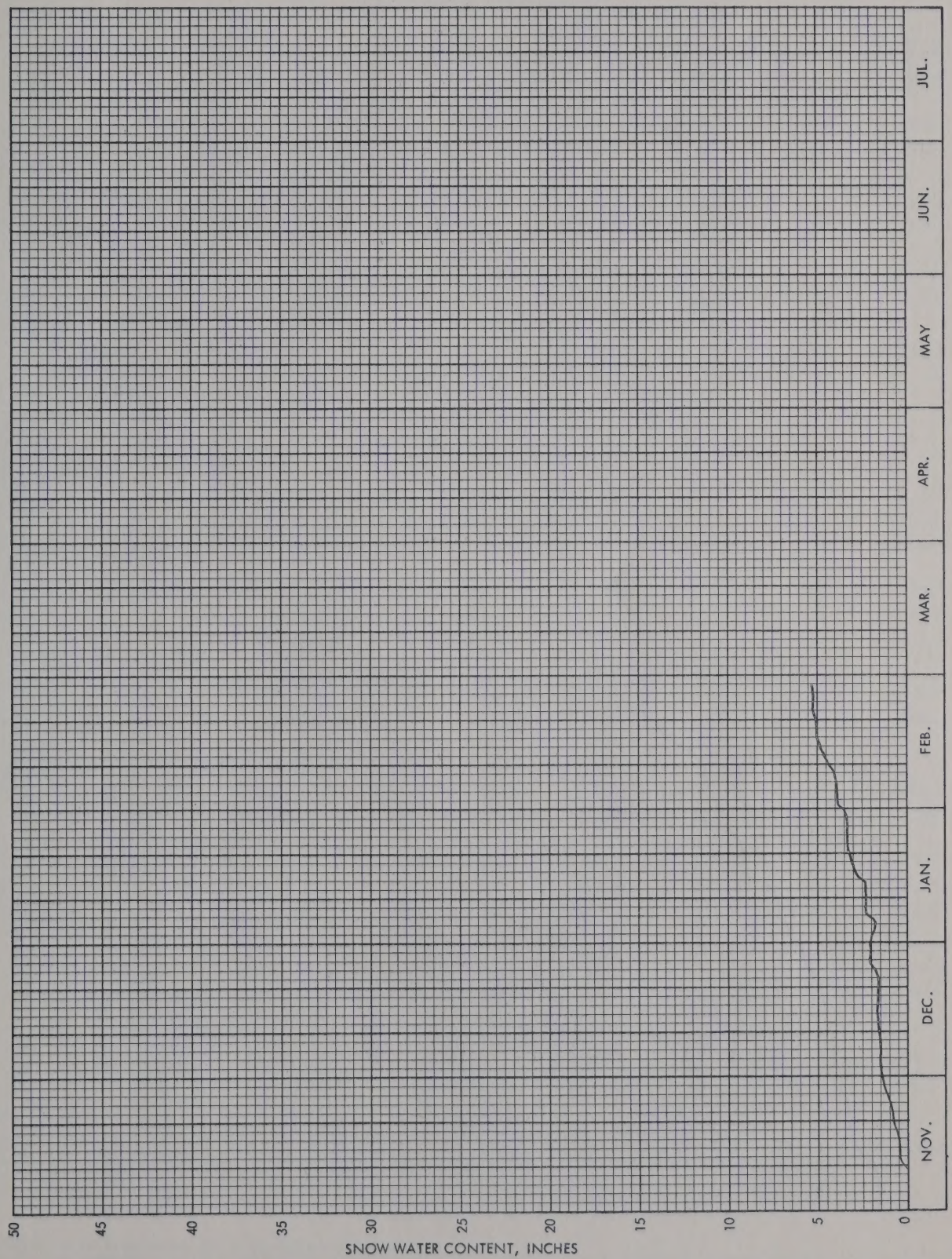


LICK CREEK
SNOW PILLOW DATA

AS OF MARCH 1, 1966

Sec. 10 T. 4S R. 6E No. 10D13 Drainage: Missouri

Lat. 45-30 Long. 110-58 Elev. 6860 Gallatin

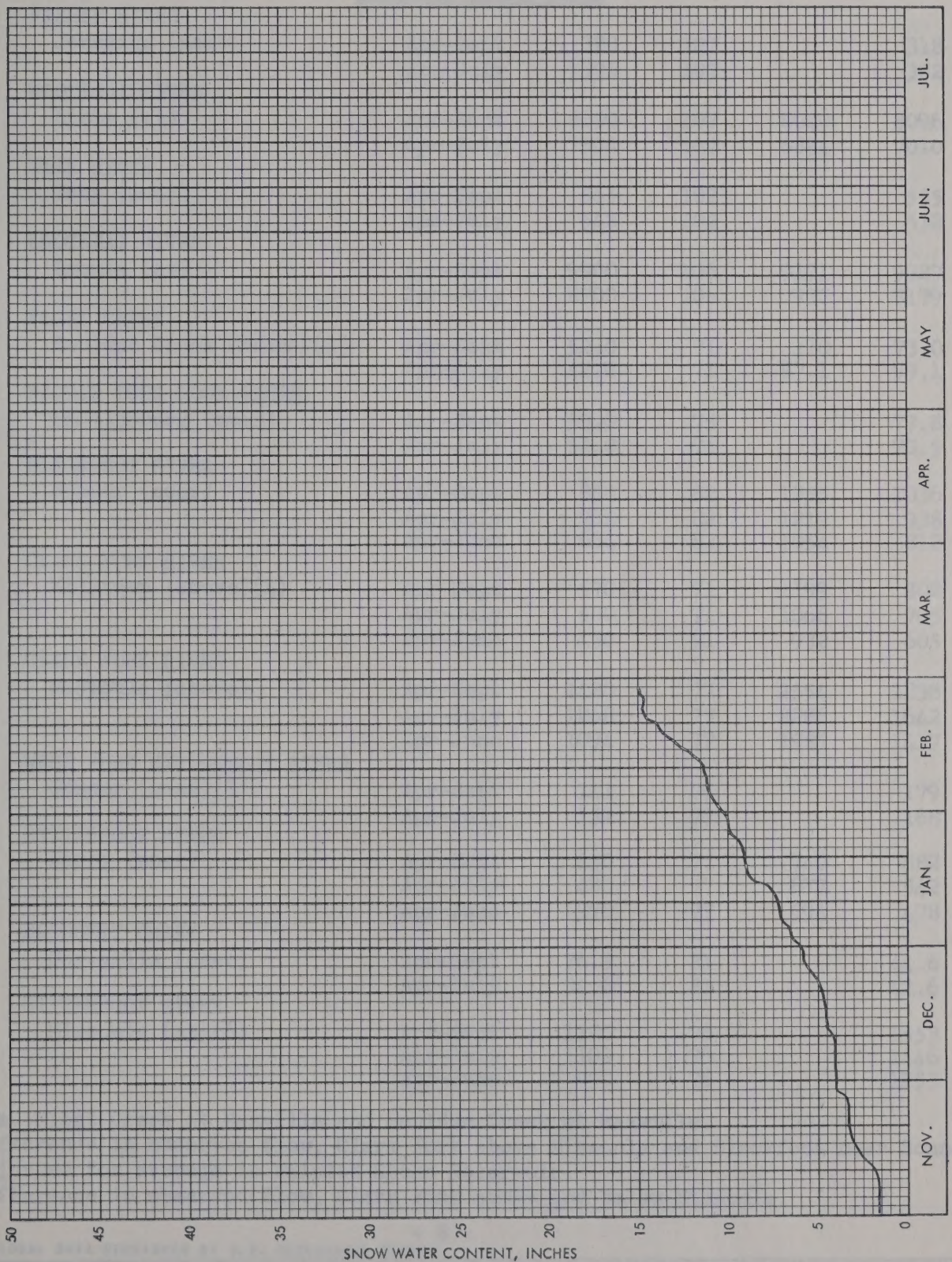


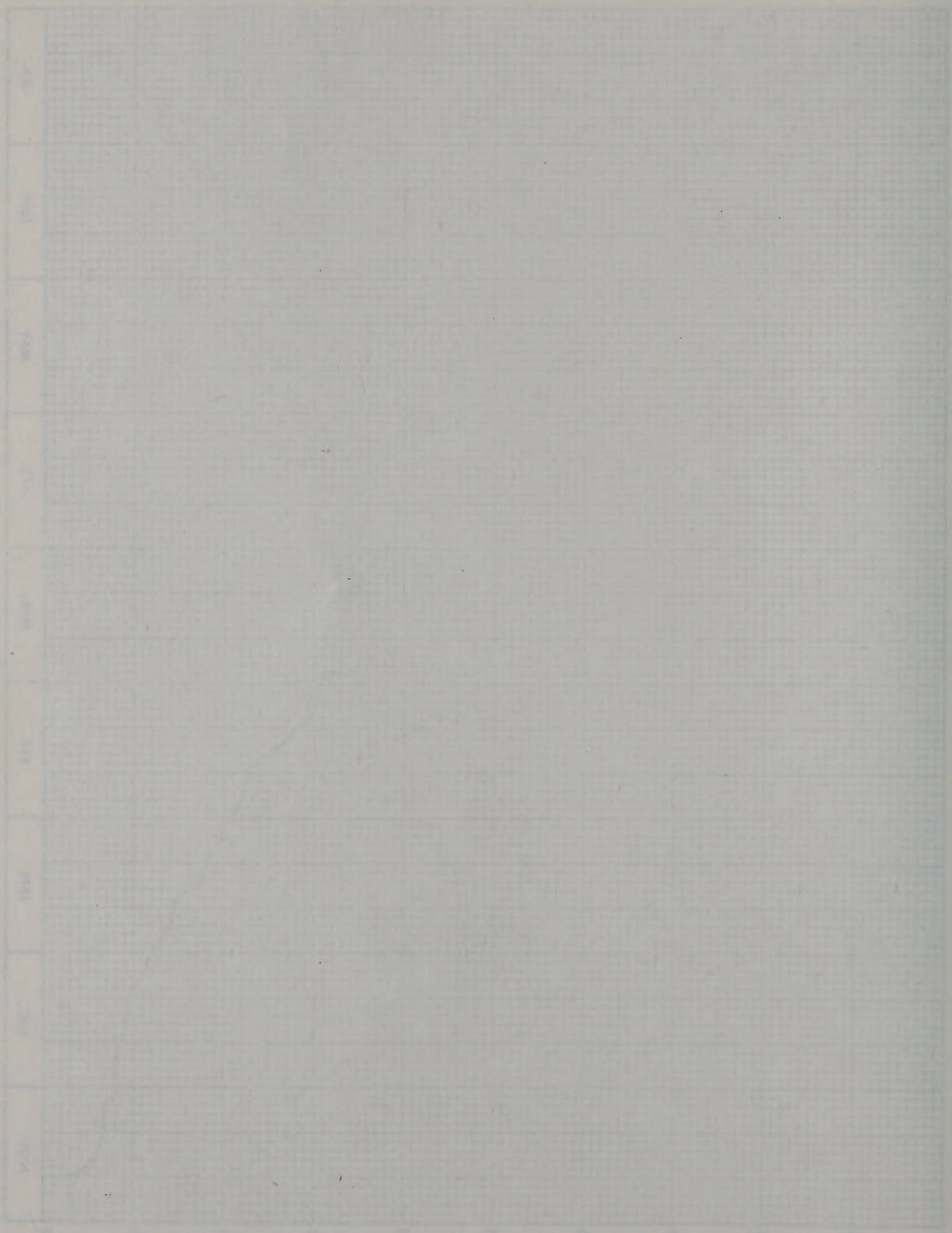
SHOWER FALLS
SNOW PILLOW DATA

AS OF MARCH 1, 1966

Sec. 14 T. 5S R. 6E No. 10D16 Drainage: Missouri

Lat. 45-24 Long. 110-57 Elev. 8100 Gallatin





WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST PERIOD	FORECAST THIS YEAR	PERCENT AVERAGE	MEASURED FLOW LAST YEAR*	MEASURED FLOW AVERAGE
	COLUMBIA RIVER BASIN					
	FISHER RIVER					
3020	Jennings (near)	Apr-Sept	320	107		318
		Apr-July	303	107		302
	KOOTENAI RIVER					
3030	Libby (at)	Apr-Sept	8650	107	8040	8096
		Apr-July	7500	107	6894	7010
	YAAK RIVER					
3045	Troy (near)	Apr-Sept	565	102		555
		Apr-July	542	102		532
	KOOTENAI RIVER					
3050	Leonia (at)	Apr-Sept	9900	106	9131	9327
		Apr-July	8700	106	7937	8179
	FLINT CREEK					
3301	Boulder Creek (below)(3)	Apr-Sept	52.0	71	110	73.0
		Apr-July	42.2	71	87.1	59.1
	MIDDLE FORK ROCK CREEK					
3320	Philipsburg (near)	Apr-Sept	58.0	75		77.8
		Apr-July	52.8	75		70.5
	BLACKFOOT RIVER					
3400	Bonner (near)	Apr-Sept	850	82	1355	1036
		Apr-July	768	82	1219	938
		Apr-June	664	82	1054	812
	CLARK FORK RIVER					
3404	Milltown (above)(4)	Apr-Sept	570	71	1199	802
		Apr-July	500	71	1066	705
		Apr-June	430	71	932	605
	CLARK FORK RIVER					
3405	Missoula (above)	Apr-Sept	1420	77	2554	1838
		Apr-July	1268	77	2286	1642
		Apr-June	1094	77	1987	1417
	WEST FORK BITTERROOT RIVER					
3425	Conner (near)(5)	Apr-Sept	141	79		179
		Apr-July	132	79		168
	BITTERROOT RIVER					
3440	Darby (near)	Apr-Sept	450	77	740	582
		Apr-July	420	77	677	542
		Apr-June	370	77	594	478
	BLODGETT CREEK					
3475	Corvallis (near)	Apr-Sept	36.3	81		44.6
		Apr-July	34.6	81		42.6
	BITTERROOT RIVER					
3528	Missoula (at)(6)	Apr-Sept	1180	76		1553
		Apr-July	1100	76		1446
		Apr-June	950	76		1253

(3) Sum, Flint Creek at Maxville and Boulder Creek at Maxville.
(4) Difference in observed flow, Clark Fork above Missoula and Blackfoot near Bonner.
(5) Adjusted for storage in Painted Rocks Reservoir.
(6) Difference in observed flow, Clark Fork above and below Missoula.

* PROVISIONAL DATA FURNISHED BY U.S. GEOLOGICAL SURVEY

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD).

WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST PERIOD	FORECAST THIS YEAR	PERCENT AVERAGE	MEASURED FLOW LAST YEAR*	MEASURED FLOW AVERAGE
	CLARK FORK RIVER					
3530	Missoula (below)	Apr-Sept	2600	77		3391
		Apr-July	2368	77		3088
		Apr-June	2044	77		2670
	CLARK FORK RIVER					
3545	St. Regis (at)	Apr-Sept	3600	78	6134	4642
		Apr-July	3300	78	5436	4230
		Apr-June	2860	78	4704	3671
	NORTH FORK FLATHEAD RIVER					
3555	Columbia Falls (near)	Apr-Sept	2000	99		2027
		Apr-July	1825	99		1844
		Apr-June	1550	99		1565
	MIDDLE FORK FLATHEAD RIVER					
3585	West Glacier (near)	Apr-Sept	1800	94	2208	1923
		Apr-July	1680	94	2002	1785
		Apr-June	1430	94	1696	1521
	SOUTH FORK FLATHEAD RIVER					
3625	Columbia Falls (near)(7)	Apr-Sept	2120	89	2831	2381
		Apr-July	2010	89	2587	2262
		Apr-June	1770	89	2265	1988
	FLATHEAD RIVER					
3630	Columbia Falls (at)(7)	Apr-Sept	6080	93	7472	6497
		Apr-July	5620	93	6798	6028
		Apr-June	4840	93	5846	5185
	SWAN RIVER					
3700	Big Fork (near)	Apr-Sept	620	89		694
		Apr-July	547	89		614
		Apr-June	448	89		503
	FLATHEAD RIVER					
3720	Polson (near)(8)	Apr-Sept	7200	93	9216	7778
		Apr-July	6750	93	8308	7229
		Apr-June	5720	93	7096	6188
	CLARK FORK RIVER					
3890	Plains (near)(8)	Apr-Sept	11150	87	15780	12793
		Apr-July	10250	87	14069	11736
		Apr-June	8750	87	12056	10077
	THOMPSON RIVER					
3895	Thompson Falls (near)	Apr-Sept	270	89		302
		Apr-July	244	89		273
	PROSPECT CREEK					
3907	Thompson Falls (at)	Apr-Sept	142	86		165
		Apr-July	134	86		155
	CLARK FORK RIVER					
3920	Whitehorse Rapids (at)(9)	Apr-Sept	12650	88	17390	14398
		Apr-July	11600	88	15496	13187
		Apr-June	9950	88	13320	11318

(7) Adjusted for storage in Hungry Horse Reservoir.
(8) Adjusted for storage in Hungry Horse Reservoir and Flathead Lake.
(9) Adjusted for storage in Hungry Horse, Flathead Lake and Noxon Rapids Reservoirs.

*PROVISIONAL DATA FURNISHED BY U.S. GEOLOGICAL SURVEY

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD).

WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST PERIOD	FORECAST THIS YEAR	PERCENT AVERAGE	MEASURED FLOW	
					LAST YEAR*	AVERAGE
	MISSOURI RIVER BASIN					
	RED ROCK RIVER					
0110	Kennedy Ranch (at)	Apr-Sept	70.0	98	96.6	71.7
		Apr-July	64.5	98	84.4	66.2
	RED ROCK RIVER					
0125	Monida (near)(11)	Apr-Sept	75.0	96	136	784
		Apr-July	70.5	96	125	73.7
	BIG HOLE RIVER					
0255	Melrose (near)	Apr-Sept	605	84		718
		Apr-July	560	84		669
	BOULDER RIVER					
0330	Boulder (near)	Apr-Sept	65.0	85	139	76.3
		Apr-July	62.0	85	128	73.0
	JEFFERSON RIVER					
0345	Sappington (at)(12)	Apr-Sept	825	85		974
		Apr-July	740	85		875
	MADISON RIVER					
0375	West Yellowstone (near)	Apr-Sept	200	96	272	208
		Apr-July	151	96	205	157
	MADISON RIVER					
0385	Grayling (near)(13)	Apr-Sept	400	95	577	420
		Apr-July	314	95	456	330
	MADISON RIVER					
0410	McAllister (near)(14)	Apr-Sept	650	90	1010	718
		Apr-July	518	90	813	576
	GALLATIN RIVER					
0435	Gateway (near)	Apr-Sept	385	86		447
		Apr-July	327	86		381
	BRIDGER CREEK					
0485	Bozeman (near)	Apr-Sept	16.0	80	31.3	19.9
		Apr-July	15.0	80	28.9	18.7
	HYALITE CREEK					
0500	Bozeman (near)(15)	Apr-Sept	30.7	86	53.2	35.6
		Apr-July	26.5	86	45.7	30.8
	GALLATIN RIVER					
0525	Logan (at)	Apr-Sept	360	77	747	467
		Apr-July	305	77	627	396

(11) Adjusted for storage in Lima Reservoir.
(12) Adjusted for storage in Clark Canyon Reservoir.
(13) Adjusted for storage in Hebgen Lake.
(14) Adjusted for storage in Hebgen and Ennis Lakes.
(15) Adjusted for storage in Middle Creek Reservoir.

*PROVISIONAL DATA FURNISHED BY U.S. GEOLOGICAL SURVEY

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD).

WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST PERIOD	FORECAST THIS YEAR	PERCENT AVERAGE	MEASURED FLOW	
					LAST YEAR*	AVERAGE
	MISSOURI RIVER					
0545	Toston (at)(16)	Apr-Sept	1730	81		2147
		Apr-July	1500	81		1861
	PRICKLY PEAR CREEK					
0615	Clancy (near)	Apr-Sept	18.0	82		22.0
		Apr-July	15.7	82		19.2
	SHEEP CREEK					
0770	White Sul. Spgs. (near)	Apr-Sept	14.0	85	32.2	16.5
		Apr-July	12.1	85	27.6	14.2
	SUN RIVER					
0786	Gibson Dam (at)(17)	Apr-Sept	565	93	702	610
		Apr-July	520	93	632	559
	MISSOURI RIVER					
0908	Fort Benton (at)(18)	Apr-Sept	2700	81		3319
		Apr-July	2300	81		2825
	TWO MEDICINE CREEK					
0920	Browning (near)(19)	Apr-Sept	232	86		271
		Apr-July	224	86		260
	BADGER CREEK					
0925	Browning (near)	Apr-Sept	122	85		143
		Apr-July	105	85		124
	CUT BANK CREEK					
0990	Cut Bank (at)	Apr-Sept	108	76	148	142
		Apr-July	100	76	133	131
	MARIAS RIVER					
0995	Shelby (near)(20)	Apr-Sept	537	82	734	651
		Apr-July	506	82	679	617
	MISSOURI RIVER					
1095	Virgelle (at)(21)	Apr-Sept	3300	80		4116
		Apr-July	2840	80		3557
	JUDITH RIVER					
1100	Utica (near)	Apr-Sept	29.5	88	71.5	33.5
		Apr-July	27.4	88	65.8	31.1
	MISSOURI RIVER					
1150	Zortman (near)(21)	Apr-Sept	3670	81		4508
		Apr-July	3120	81		3878
	NORTH FORK MUSSELSHELL R.					
1155	Delpine (near)	Apr-Sept	5.0	83	10.0	6.0
		Apr-July	4.1	82	8.3	5.0
	SOUTH FORK MUSSELSHELL R.					
1185	Martinsdale (above)	Apr-Sept	41.0	84	73.6	48.8
		Apr-July	39.0	84	64.6	46.6

(16) Adjusted for storage in Hebgen and Ennis Lakes and Clark Canyon Reservoir.
(17) Adjusted for storage in Gibson Reservoir and diversions.
(18) Adjusted for storage in Canyon Ferry Reservoir.
(19) Adjusted for storage in Two Medicine Res. & diversions into Two Medicine Canal.
(20) Adjusted for storage in Two Medicine, Four Horns, Lake Frances & Swift Res.
(21) Adjusted for storage in Canyon Ferry and Tiber Reservoirs.

* PROVISIONAL DATA FURNISHED BY U.S. GEOLOGICAL SURVEY

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD).

WATER SUPPLY FORECASTS

AS OF MARCH 1, 1956

WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST PERIOD	FORECAST THIS YEAR	PERCENT AVERAGE	MEASURED FLOW	
					LAST YEAR*	AVERAGE
	YELLOWSTONE RIVER BASIN					
	YELLOWSTONE RIVER					
1915	Corwin Springs (at)	Apr-Sept	1720	92	2565	1877
		Apr-July	1440	92	2090	1572
	YELLOWSTONE RIVER					
1925	Livingston (near)	Apr-Sept	1920	90		2127
		Apr-July	1590	90		1770
	SHIELDS RIVER					
1935	Clyde Park (at)	Apr-Sept	85.0	86		99.0
		Apr-July	79.2	86		92.2
	BOULDER RIVER					
2000	Big Timber (at)	Apr-Sept	282	82		343
		Apr-July	264	82		321
	STILLWATER RIVER					
2050	Absarokee (near)(25)	Apr-Sept	445	81		552
		Apr-July	375	81		465
	CLARKS FORK RIVER					
2075	Chance (at)	Apr-Sept	520	89		583
		Apr-July	470	89		528
	CLARKS FORK RIVER					
2085	Edgar (at)	Apr-Sept	542	89		609
		Apr-July	478	89		538
	ROCK CREEK					
2095	Red Lodge (near)	Apr-Sept	83.5	81	142	103
		Apr-July	64.5	81	108	79.6
	YELLOWSTONE RIVER					
2145	Billings (at)	Apr-Sept	3260	83	5544	3913
		Apr-July	2790	83	4555	3362
	BIG HORN RIVER					
2870	St. Xavier (near)(26)	Apr-Sept	1200	72		1677
		Apr-July	1130	72		1568
	YELLOWSTONE RIVER					
3090	Miles City (at)(27)	Apr-Sept	4260	74		5778
		Apr-July	3760	74		5080
	YELLOWSTONE RIVER					
3295	Sidney (near)(27)	Apr-Sept	4050	69		5850
		Apr-July	3610	69		5230

(25) Adjusted for storage in Mystic Lake.
(26) Adjusted for storage in Buffalo Bill, Boysen, Bull Lake and Yellowtail Reservoirs
(27) Adjusted for storage in Buffalo Bill, Boysen and Yellowtail Reservoirs.

* PROVISIONAL DATA FURNISHED BY U.S. GEOLOGICAL SURVEY

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD).

WATER SUPPLY FORECASTS

AS OF MARCH 1, 1966

(1000 Acre Feet)

NO.	RIVER AND FORECAST POINT	FORECAST PERIOD	FORECAST THIS YEAR	PERCENT AVERAGE	MEASURED FLOW LAST YEAR*	MEASURED FLOW AVERAGE
	MISSOURI RIVER					
1320	Ft. Peck Dam (below)(22)	Apr-Sept	3540	80		4422
		Apr-July	3120	80		3894
	MILK RIVER					
1350	Eastern Crossing (at)	Mar-Sept	260	96	352	272
	MISSOURI RIVER					
1770	Wolf Point (near)(22)	Apr-Sept	3900	80		4879
		Apr-July	3450	80		4317
	MISSOURI RIVER					
3300	Williston, N.D.(nr.)(29)	Apr-Sept	8200	74		11059
		Apr-July	7250	74		9828

SASKATCHEWAN RIVER BASIN

	ST. MARY RIVER					
0175	Babb (near)(30)	Apr-Sept	459	94		491
		Apr-July	398	94		424

(22) Adjusted for storage in Canyon Ferry, Tiber and Fort Peck Reservoirs.
(29) Adjusted for storage in Canyon Ferry, Tiber, Fort Peck, Buffalo Bill, Boysen and Yellowtail Reservoirs.
(30) Adjusted for storage in Lake Sherburne.

* PROVISIONAL DATA FURNISHED BY U.S. GEOLOGICAL SURVEY

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD).

SNOW SURVEY DATA

AS OF MARCH 1, 1966

(Inches)

SNOW COURSE			CURRENT DATA			PAST RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT	
						LAST YEAR	AVERAGE
COLUMBIA RIVER BASIN							
KOOTENAI RIVER							
15B11	Baree Creek	5500	3/1	115	38.5	45.8	-
15B16	Baree Midway	4600	3/1	98	30.9	-	-
15B15	Baree Trail	3800	3/1	44	11.2	12.1	-
14A04	Brush Creek	5000	2/28	40	10.6	13.2	12.7*
BC 10	Fernie	3500	2/25	35	10.0	12.6	9.0
BC 12A	Field	4200	2/27	27	5.1	8.2	5.8
BC 11	Glacier	4100	2/27	85	28.0	21.7	24.0*
14A11	Graves Creek	4300	3/2	53	15.3	19.9	-
BC 43	Gray Creek	5100	2/28	53	15.4	16.7	16.7*
BC 33	Kicking Horse	5400	2/27	48	13.0	16.4	13.3
BC 20B	Kimberley	3800	2/27	29	8.8	10.4	8.4
BC 32	Marble Canyon	5000	2/27	52	16.3	12.8	13.5
BC 10B	Morrissey Ridge	6100	2/28	73	27.5	32.5	-
BC 10A	New Fernie	4100	2/25	47	15.3	19.1	13.2*
15A01	Red Mountain	6000	3/3	60	17.8	20.0	18.0
BC 8A	Sinclair Pass	4500	2/28	25	6.6	5.1	5.8*
BC 20A	Sullivan Mine	5100	2/25	39	12.5	12.5	13.4
BC 41	Upper Elk River	4400	2/26	23	6.5	9.0	7.9
14A07	Weasel Divide	5450	3/2	81	28.2	35.4	30.4*
FLATHEAD RIVER							
14B03	Bassoo Peak	5150	2/28	44	10.8	10.0	11.1*
13A11	Beaver Lake	5900	2/25	54	17.5	25.7	-
13B03	Big Creek	6750	3/2	87	30.8	48.4	38.5
13A17	Camp Misery	6400	3/1	101	35.2	54.2	33.0*
13A02	Desert Mountain	5600	2/25	36	12.5	20.0	14.1*
13B04	Fatty Creek	5500	3/2	54	17.2	23.4	18.0*
14A09	Griffin Creek Divide	5150	3/1	36	9.8	12.6	12.4*
13B12	Gunsight Lake	6300	2/25	87	32.5	45.7	-
14A03	Hell Roaring Divide	5770	3/1	76	25.9	35.3	26.8*
13B13	Holbrook	4530	2/25	29	7.9	12.7	10.2*
14A06	Kishenehn	3890	2/25	32	8.8	13.2	9.9
14A05	Logan Creek	4300	2/28	34	8.0	8.8	8.8*
13A05	Marias Pass	5250	2/25	48	15.8	21.0	17.3
13A16	Mineral Creek	4000	2/28	61	17.8	26.1	19.8
13B07	North Fork Jocko	6330	3/3	98	33.8	49.8	39.8
13B02	Spotted Bear Mountain	7000	3/3	45	13.7	19.7	14.6
13B01	Trinkus Lake	6100	3/3	94	32.6	48.9	36.3*
13B11	Twin Creeks	3580	3/3	42	12.6	14.6	12.4*
13B05	Upper Holland Lake	7000	3/3	80	26.5	39.1	29.8*

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MARCH 1, 1964

SNOW COURSE			COURSE DATA			PAST RECORD	
NO.	NAME	ELEVATION	BASIN OR SUBAREA	SNOW DEPTH	WATER EQUIVALENT	DATE COURSE LAST TAKE	AVERAGE

COLUMBIA RIVER BASIN

KOOTENAI RIVER

13911	Baree Creek	5900	3/1	115	38.5	45.8	-
13816	Baree Midway	4500	3/1	98	30.9	-	-
13815	Baree Trail	3800	3/1	44	11.2	12.1	-
14404	Brush Creek	4900	2/28	40	10.6	13.2	12.7*
BC 10	Parula	4400	2/25	35	10.0	12.6	9.0
BC 124	Pinto	4200	2/27	27	5.1	8.2	5.8
BC 11	Glacier	6100	2/27	89	28.0	21.7	24.0*
14411	Graves Creek	4300	3/2	33	15.3	19.9	-
BC 13	Gray Creek	5100	2/28	53	15.4	16.7	16.7*
BC 32	Kicking Horse	5100	2/27	48	13.0	15.4	13.3
BC 208	Kimberley	3800	2/27	29	8.8	10.4	8.4
BC 32	Marble Canyon	4500	2/24	32	14.3	12.8	13.5
BC 108	Morrissey Ridge	6100	2/28	73	27.5	28.5	-
BC 10A	Rex Parula	4100	2/25	47	15.3	19.1	13.3*
15401	Red Mountain	6000	3/3	60	17.8	20.0	18.0
BC 84	Sinclair Pass	4500	2/29	25	6.6	9.1	5.8*
BC 20A	Spillings Mtns	5100	2/25	39	12.5	12.8	13.4
BC 41	Upper Elk River	4400	2/24	23	6.5	9.0	7.9
14407	Wessel Divide	5400	3/3	81	28.2	25.6	20.4*

FLATHEAD RIVER

14805	Beaver Pass	4300	2/24	44	10.8	20.0	11.2*
13413	Beaver Lake	5900	2/5	34	17.5	25.7	-
13803	Big Creek	5100	3/2	87	30.8	46.4	34.1
13417	Camp Misery	5400	3/2	101	35.2	74.2	30.0*
13402	Desert Mountain	5800	2/25	34	12.5	20.0	14.2*
13804	Doris Creek	5300	3/2	55	17.2	23.4	16.0*
14409	Grizzly Creek Divide	5100	3/1	34	9.8	12.6	12.4*
13812	Gunsight Lake	6300	2/25	87	32.5	45.7	-
14403	Hell Roaring Divide	5700	3/2	76	25.9	35.3	25.8*
13813	Holbrook	4530	2/27	39	7.9	12.7	10.2*
14806	Kishenehn	3800	2/24	30	8.8	13.2	9.3
14403	Logan Creek	4500	2/28	34	8.0	8.8	9.4*
13407	Marias Pass	5500	2/25	48	15.8	21.0	17.3
13410	Mineral Creek	4900	2/28	61	17.8	24.1	19.8
13807	North Fork Lodge	4100	3/3	90	33.8	49.8	29.8
13802	Spotted Bear Mountain	7000	3/3	45	13.7	19.7	14.6
13801	Trilogy Lake	6400	3/3	94	34.0	44.9	34.3*
13811	Twin Creeks	3500	3/3	42	12.6	14.6	12.4*
13805	Upper Quintard Lake	7000	3/3	80	26.5	39.3	29.8*

NOTE: ALL AVERAGES BASED ON 1940-1960 (IN YOUR FIGURES). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MARCH 1, 1966

(Inches)

SNOW COURSE			CURRENT DATA			PAST RECORD	
						WATER CONTENT	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE
CLARK FORK RIVER							
13C13	Black Pine	7100	2/28	34	9.3	16.4	11.3*
13C13	Black Pine Pillow	7100	2/28	SP	8.8	-	-
12B10	Copper Creek	5700	2/23	40	12.4	16.8	-
12B11	Cotter Mine	6250	2/23	43	13.1	20.0	-
13B10	Coyote Hill	4200	3/3	30	8.4	13.4	10.2
13C09	El Dorado Mine	7800	2/24	38	10.8	25.2	17.6*
13C11	Fred Burr Pass	8000	3/1	58	15.4	33.0	23.8*
13C10	Gold Creek Lake	7200	2/24	31	8.6	18.4	13.4*
14C10	Heart Lake Trail	4800	3/3	71	21.4	23.8	-
15C01	Hoodoo Creek	5900	3/3	107	34.6	52.3	45.3*
13C04	Intergaard	6450	3/1	25	5.7	10.1	7.2
15B02	Lookout	5250	2/28	88	27.1	33.5	34.8*
13C21	Lubrecht Forest No. 3	5450	2/27	25	6.9	8.2	7.4*
13C22	Lubrecht Forest No. 4	4650	2/27	15	3.6	4.2	3.9*
13C08	Lubrecht Forest No. 6	4040	2/27	17	3.8	5.0	4.6*
13C12	Red Lion	7100	3/1	43	10.0	21.8	13.8*
13C03	Skalkaho Summit	7260	2/26	56	17.2	32.6	22.5*
13C02	Slide Rock Mountain	7100	2/25	35	10.0	17.6	12.6*
13C05	Southern Cross	6500	3/1	22	5.4	7.8	5.6
13C18	Spring Gulch	6000	2/26	38	10.3	16.0	10.5*
13C07	Storm Lake	7780	3/1	36	7.6	16.4	11.7*
13C06	Stuart Mill	6500	3/1	23	4.8	7.8	5.9
13C01	Stuart Mountain	7400	2/26	74	25.1	32.7	26.5*
14B01	TV Mountain	6800	2/25	49	15.4	21.7	14.9*
BITTERROOT RIVER							
13C16	Ambrose	6480	3/2	39	10.2	14.8	12.1*
13D01	East Fork R.S.	5400	2/25	21	4.5	9.4	7.1*
13D02	Gibbons Pass	7100	2/25	46	12.6	27.5	21.0
14C05	Lolo Pass	5230	2/25	62	20.2	34.0	32.2*
14C07	Lost Horse	5940	3/1	73	20.0	36.1	30.3*
13D16	Moose Creek	6200	2/24	34	10.6	21.0	14.9
14D02	Nez Perce Camp	5680	2/28	38	9.2	18.4	12.8*
14D01	Nez Perce Pass	6570	2/28	41	10.4	20.8	14.8*
13D22	Saddle Mountain	7940	2/25	48	13.4	30.0	-
14C04	Savage Pass	6600	3/1	73	21.4	29.4	25.0*
14C08	Twin Lakes	6510	3/1	90	26.6	47.0	39.5*

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MARCH 1, 1966

(Inches)

SNOW COURSE			CURRENT DATA			PAST RECORD	
NO.	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH	WATER CONTENT	WATER CONTENT	
						LAST YEAR	AVERAGE
			MISSOURI RIVER BASIN				
BEAVERHEAD RIVER							
13D10	Bloody Dick	7600	2/24	26	6.2	15.4	9.6
12E03	Camp Creek	6800	2/23	27	6.8	13.1	8.7
12D04	Carter Creek	7400	3/1	14	2.5	4.4	-
13E22	Dad Creek Lake	8400				-	-
13D15	Elk Horn Springs	7800	2/28	32	5.9	13.4	8.8
13D09	Gold Stone	8100	2/24	32	8.2	19.7	12.4
11E12	Kilgore	6200	2/26	30	8.2	11.9	8.8
11E04	Lakeview Canyon	6930	2/23	33	9.4	18.2	9.6
11E03	Lakeview Ridge	7400	2/23	28	7.7	16.2	8.1
13E01	Lemhi Pass	7480	2/23	25	5.4	14.6	7.1
13E02	Trail Creek	7090	2/23	23	4.6	12.2	6.4
12E01	White Pine Ridge	8850	3/4	19	3.7	6.5	4.4
RUBY RIVER							
11D08	Clover Meadow	8600	3/4	40	11.0	21.7	-
12E07	Divide	7900	3/4	30	7.0	15.3	-
12E06	Notch	8500	3/4	44	12.1	17.4	-
BIG HOLE RIVER							
13D20	Abundance Lake	8800	3/4	49	13.6	24.1	-
13D19	Darkhorse Lake	8600	3/4	53	16.4	34.6	-
13D21	Foolhen	8280	3/4	40	10.7	22.4	-
13D08	Jahnke Creek	7340	2/24	24	5.5	13.0	8.8
JEFFERSON RIVER							
12C07	Berry Meadow	7300	2/28	23	5.1	8.0	6.5*
12C06	Picnic Grounds	6500	3/1	16	2.6	4.4	4.2*
12D01	Pipestone Pass	7200	3/1	21	3.6	5.2	4.5
MADISON RIVER							
11E09	Big Springs	6500	2/25	46	13.9	24.6	19.6
11D07	Call Road	8050	3/4	34	7.4	12.8	-
11D12	Four Mile	6900	2/25	22	5.3	-	-
11E25	Freezeout Lake	7200	Delayed Report			-	-
11E26	Freezeout Mountain	8250	Delayed Report			-	-
11E05	Hebgen Dam	6550	2/26	29	6.7	14.2	10.8
11E10	Island Park	6315	2/25	40	11.2	20.4	15.3
11D05	Jack Creek	7500	3/1	16	3.0	6.4	5.0*

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MARCH 1, 1964

SNOW COURSE			SNOW SURVEY			WATER SUPPLY
NO.	NAME	ELEVATION	DATE OF SURVEY	1964 SNOW DEPTH	1964 WATER CONTENT	WATER CONTENT

SNOW SURVEY DATA

AS OF MARCH 1, 1966

(Inches)

SNOW COURSE NO.	SNOW COURSE NAME	ELEVATION	CURRENT DATA: DATE OF SURVEY	CURRENT DATA: SNOW DEPTH	CURRENT DATA: WATER CONTENT	PAST RECORD: WATER CONTENT: LAST YEAR	PAST RECORD: WATER CONTENT: AVERAGE
MADISON RIVER (continued)							
11E22	Lake Creek	6100	Delayed Report			-	-
11D11	Lower Twin	7900	2/25	44	13.6	-	-
11E23	Meridian Creek	7000	Delayed Report			-	-
10E02	Norris Basin	7500	2/27	30	7.1	14.1	9.0*
11D03	North Meadow	7500	2/25	21	4.9	11.4	7.3*
11E21	Potomageton Park	7150	3/1	38	9.5	19.0	-
11E20	Sentinel Creek	8300	3/4	53	15.4	32.2	-
11E24	Tepee Creek	8000	Delayed Report				
11E08	Valley View	6500	2/25	37	10.6	24.0	13.2
11E07	West Yellowstone	6700	2/26	27	7.0	15.0	10.6
GALLATIN RIVER							
10D14	Arch Falls	7350	2/26	26	6.4	14.8	9.5*
11D09	Bear Basin	8150	3/3	43	12.0	25.0	16.3*
10D15	Bridger Bowl Pillow	7250	3/1	SP	16.2	27.0	-
10D04	Devil's Slide	8100	2/26	46	12.2	26.3	17.4
10D03	Hood Meadow	6600	2/26	21	4.6	11.6	7.6
10D13	Lick Creek Pillow	6860	3/2	SP	5.6	12.6	-
11D10	Little Park	7400	3/3	35	8.5	18.6	11.4*
10D01	New World	6700	2/25	24	5.6	11.6	8.6
10D16	Shower Falls Pillow	8100	2/28	SP	15.0	-	-
11E06	Twenty-One Mile	7150	2/26	43	12.7	27.0	15.8
MISSOURI RIVER (Main Stem)							
11C01	Boulder Mountain	7950	3/1	44	12.2	17.9	12.5*
12C05	Chessman Reservoir	6200	3/1	13	2.2	3.8	4.0
10C09	Deadman Creek	6450	3/3	36	8.7	-	-
10C07	Elk Peak	8000	3/2	53	11.2	19.5	13.3*
10C02	Grasshopper	7000	3/2	24	4.0	6.6	4.3
10C01	Kings Hill	7500	2/28	34	7.8	15.3	11.0
9A01	Rocky Boy	5200	3/1	15	3.0	4.6	4.2
12C01	Stemple Pass	6600	2/28	31	7.1	11.9	9.2
12C02	Ten Mile Lower	6600	3/1	20	3.8	7.7	6.3
12C03	Ten Mile Middle	6800	2/28	27	6.1	12.1	9.1
12C04	Ten Mile Upper	8000	2/28	31	7.6	16.3	11.7
SUN-TETON-MARIAS RIVERS							
13A15	Badger Pass	6900	2/25	76	28.7	38.6	-
12B06	Cabin Creek	5200	2/25	21	6.6	9.7	6.8*
12B09	Five-Bull	5700	3/1	30	6.1	9.8	6.1*
12A01	Freight Creek	6000	2/28	49	13.2	20.4	14.5

SP - Snow Pillow Observation - Water Content only.

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MARCH 1, 1956

SNOW COURSE		SURVEY DATA			PAST RECORD	
NO.	NAME	ELEV.×100	DATE OF SURVEY	WATER CONTENT	WATER CONTENT	PCT. LAST YEAR / AVERAGE
MADISON RIVER (continued)						
11E22	Lake Creek	6100	Delayed Report		-	-
11D11	Lower Twin	7400	2/28	12.6	-	-
11M23	Meridian Creek	7000	Delayed Report		-	-
10M20	Morris Basin	7500	2/27	20	7.1	34.1 / 0.0*
11M09	Morris Meadow	7500	2/28	22	4.9	11.1 / 7.3*
11M21	Mussigbrod Park	7100	3/1	36	9.8	19.0 / -
11M20	Swetlear Creek	8300	3/4	33	12.4	32.2 / -
11P24	Pogue Creek	8000	Delayed Report			
11R08	Valley View	6700	2/23	37	10.8	24.0 / 12.2
11R07	West Yellowstone	6700	2/26	27	7.0	15.0 / 10.6
GALLATIN RIVER						
10G14	Arch Falls	7500	2/26	20	8.4	14.8 / 9.5*
11B09	Bear Basin	8100	3/2	43	12.0	25.0 / 16.3*
10B15	Bridger Bowl Pillow	7600	3/1	87	16.3	27.0 / -
10D04	Dewville Slide	8100	2/26	46	12.2	25.3 / 17.4
10D03	Hood Meadow	8000	2/26	21	4.6	11.6 / 7.6
10H13	Lick Creek Pillow	7800	3/1	57	9.6	12.6 / -
11H10	Little Park	7400	3/1	39	8.3	18.6 / 11.4*
10D01	New World	8700	2/28	34	8.6	11.6 / 8.6
10B16	Beaver Basin Pillow	8000	2/28	87	15.0	- / -
11M06	Twenty-One Mile	7100	2/26	43	12.7	27.0 / 18.8
MISSOURI RIVER (Main Stem)						
11C01	Beaver Mountain	7950	3/1	44	12.2	17.9 / 11.2*
12C05	Chessman Reservoir	6100	3/1	13	2.2	3.8 / 4.0
10C09	Deadman Creek	6430	3/1	34	8.7	- / -
10C07	Elk Park	8000	3/1	51	11.2	19.5 / 11.2*
10C02	Grasshopper	7000	3/1	24	4.0	6.6 / 4.2
10C01	Kings Hill	7900	2/28	34	7.8	13.3 / 11.0
9A01	Moody Bay	8200	3/1	15	3.0	4.6 / 4.2
12A01	Mosquito Lake	6800	2/24	31	7.1	11.9 / 9.2
12C02	Top Hole Lower	8400	3/1	20	3.8	7.7 / 6.3
12C03	Top Hole Middle	8800	2/28	27	6.1	12.1 / 9.1
12C04	Top Hole Upper	8000	2/28	21	7.6	16.3 / 11.7
NEW-SNOWY MOUNTAINS AUSTRIA						
13A13	Badger Pass	6900	2/24	36	23.7	38.6 / -
12B08	Davis Creek	6800	2/24	21	6.6	9.7 / 6.8*
12B09	Five-Mile	6700	3/1	20	6.1	9.8 / 6.3*
12A01	Preston Creek	6000	2/28	40	13.2	20.4 / 14.5

SP - Snow Pillow Operating - Water Content only.

NOTE: ALL MATERIAL MADE ON 1946-1955 DATA MEANS. "ADJUSTED AVERAGE"

SNOW SURVEY DATA

AS OF MARCH 1, 1966

(Inches)

SNOW COURSE NO.	NAME	ELEVATION	CURRENT DATA: DATE OF SURVEY	CURRENT DATA: SNOW DEPTH	CURRENT DATA: WATER CONTENT	PAST RECORD: WATER CONTENT: LAST YEAR	PAST RECORD: WATER CONTENT: AVERAGE
SUN-TETON-MARIAS RIVERS (continued)							
12B07	Goat Mountain	7000	2/28	38	10.0	13.4	10.6
12B01	West Fork	6000	2/28	40	10.1	21.8	13.4*
12B04	Wrong Creek	5700	2/25	41	13.3	17.8	14.5*
12B03	Wrong Ridge	6800	2/25	48	18.5	26.0	19.6*
JUDITH RIVER							
9C01	Crystal Lake	6100	3/4	36	8.1	13.6	10.5
10C06	Spur Park	8000	3/3	56	14.7	23.4	16.0*
MILK RIVER							
10AA2	Cress Day B	3450	2/28	9	2.3	2.8	1.3*
9AA1	Cypress Park C	4000	3/1	18	4.2	1.9	4.1*
10AA1	Elkwater Lake A	4100	2/28	8	1.8	1.7	2.0*
7AA1	Val Marie D	2700	3/3	9	1.9	3.0	1.1*
ST. MARY RIVER							
13A18	Hudson Bay Divide	5800	2/28	50	15.1	19.8	-
UPPER YELLOWSTONE RIVER							
10C05	Bald Ridge	7500	3/2	34	7.4	15.6	9.2*
9D01	Camp Senia	7890	2/24	9	2.1	5.8	4.8*
10E03	Canyon	7750	2/27	39	9.8	23.4	13.1
9D07	Cooke Station	8150	2/25	42	11.6	New Course	
10D05	Crevice Mountain	8400	2/28	27	6.0	11.8	7.5
10E06	East Entrance	7000	3/1	35	7.3	12.1	10.4*
9D06	Fisher Creek	9100	2/25	75	25.3	New Course	
9D05	Grizzly Peak	8400	2/28	22	6.6	16.8	10.1*
10D06	Independence	8000	2/28	41	11.2	21.6	15.6*
10E04	Lake Camp	7850	2/28	29	5.5	13.2	9.0
9E01	Lodgepole	8200	2/27	24	5.5	9.9	8.6*
10E01	Lupine Creek	7300	3/1	33	7.5	14.2	9.5
10D12	Monument Peak	9000	2/28	50	15.2	33.6	18.1*
10D07	Northeast Entrance	7400	2/28	22	5.0	13.1	7.5
10C03	Porcupine R.S.	6500	3/2	23	4.5	9.3	6.3
10D10	Sacajawea	6550	2/25	32	9.0	16.4	11.1*
10C08	South Fork Shields	8100	3/2	60	16.1	29.4	-
10E05	Sylvan Pass	7100	3/1	40	8.7	16.8	12.6
10E07	Thumb Divide	7900	2/26	51	17.1	29.3	20.0
9D04	Timberline Creek	8850	2/24	28	6.8	19.5	10.9*
9D02	West Rosebud	7500				16.9	-

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). *ADJUSTED AVERAGE

SNOW SURVEY DATA

AS OF MARCH 1, 1964

SNOW COURSE	ELEVATION	DATE OF SURVEY	APRIL 1 AVERAGE	WATER CONTENT	APRIL 1 1963
BUTTE RIVER					
12807 Coal Mountain	7200	2/28	30	10.0	12.4
12801 West Fork	6420	2/28	40	10.1	11.8
12804 Wrong Creek	5760	2/24	41	11.3	17.8
12803 Wrong Ridge	6400	2/25	44	19.5	26.0
JUNIPER BIRCH					
9C01 Crystal Lake	6100	3/4	36	8.3	13.6
12C06 Spur Park	6360	3/3	38	14.7	23.4
MILK RIVER					
12A12 Cross Day B	3150	2/28	0	3.3	2.8
9A01 Cypress Park C	4200	3/1	14	4.2	1.9
12A01 Elkwater Lake A	4150	2/28	5	2.8	1.7
7A01 Val Marie D	2700	3/3	0	1.9	3.6
ST. MARY RIVER					
12A18 Madson Bay Divide	5800	2/28	30	16.1	19.8
UPPER WILLOW CREEK					
12C05 Bald Ridge	7700	3/2	34	7.4	14.6
9C01 Camp Davis	7500	2/24	9	2.1	3.8
12C03 Canyon	7750	2/27	39	8.8	23.4
9C07 Cooks Station	8150	2/25	42	11.6	New Course
12C05 Crevice Mountain	8100	2/24	27	6.0	11.8
12C06 East Entrance	7800	3/1	39	7.3	12.1
9C06 Fisher Creek	8100	2/25	73	21.3	New Course
9C05 Grizzly Peak	8200	2/28	32	6.4	16.8
12C06 Independence	8050	2/28	41	11.2	21.6
12C04 Lois Camp	7750	2/28	28	3.3	13.2
9C01 Snowgrass	8000	2/27	34	8.8	9.9
12C01 Lupine Creek	7350	3/1	38	7.5	14.8
12C12 Mycenet Peak	8000	2/28	50	12.8	23.6
12C07 Northeast Entrance	7600	2/28	42	8.8	13.1
12C03 Porcupine S.S.	8100	3/2	33	4.8	9.3
12C10 Serpentine	8150	2/25	52	9.6	16.4
12C08 South Fork Divide	8100	3/2	60	18.1	29.4
12C09 Spruce Pass	7700	3/1	40	8.7	14.2
12C07 Thumb Divide	7900	2/28	41	12.1	20.1
9C04 Timberline Creek	8050	2/24	48	8.8	19.3
9C02 West Boundary	7500				16.9

NOTE: ALL AVERAGES BASED ON 1949-1963 USE AREA ITASCA. "ADAMETZ AVERAGE

SOIL MOISTURE DATA

AS OF MARCH 1, 1966

(Inches)

SOIL MOISTURE STATION			SOIL PROFILE		CURRENT DATA		PAST RECORD	
NO.	NAME	ELEVATION	DEPTH	FIELD CAPACITY	DATE OF SURVEY	SOIL MOISTURE	LAST YEAR	**AVERAGE
COLUMBIA RIVER BASIN								
Kootenai								
15B15M	Baree Trail	3800	48	7.5	3/1	6.3	6.3	-
14A10M	Murphy Lake R.S.	3000	48	22.6	3/2	19.5	21.7	-
15A02M	Raven R.S.	3050	48	23.0	3/2	21.8	21.9	-
Flathead								
13A02M	Desert Mountain	5600	54	8.4	2/25	7.3	7.5	7.0
13A05M	Marias Pass	5250	54	6.5			5.8	5.3
Clark Fork								
13C13M	Black Pine	7100	48	10.0	2/28	5.2	-	-
13C15M	Georgetown Lake	6450	48	9.0	3/1	3.6	2.8	2.8
13B19M	Seeley Lake R.S.	4030	48	11.9	3/1	9.9	-	-
13C03M	Skalkaho Summit	7260	48	10.8	2/26	10.0	8.9	-
Bitterroot								
13D18M	Gibbons Pass	7100	48	7.1	2/25	5.0	5.5	5.6
14C05M	Lolo Pass	5250	48	10.6	2/25	6.2	7.4	-
MISSOURI RIVER BASIN								
Beaverhead								
11E13M	Lakeview	6700	48	15.3	3/1	6.0	13.6	9.9
Madison								
10D04M	Red Bluff	4800	40	4.7	3/1	2.4	2.3	2.2
Gallatin								
10D15M	Bridger Bowl	7250	48	15.8	3/1	15.6	-	-
11D02M	College Site	4856	54	14.5	2/25	13.5	10.0	9.3
10D13M	Lick Creek	6860	48	18.8	3/2	12.1	-	-
11E06M	Twenty-One Mile	7150	48	10.0	2/28	3.0	1.5	-
Missouri Main Stem								
10C01M	Kings Hill	7420	48	11.8	3/3	8.8	7.8	-
12C08M	Stemple Pass	6350	48	5.9	2/28	4.4	4.2	-
Yellowstone								
10D11M	Battle Ridge	6020	48	17.6	2/25	13.0	15.6	12.8
10D07M	Northeast Entrance	7350	48	9.4	2/28	7.5	5.9	6.9

**AVERAGE FOR PERIOD OF RECORD

SOIL MOISTURE DATA

AS OF MARCH 1, 1966

(Index)

SOIL MOISTURE STATION			SNOW COURSE DATA			PAST RECORD	
No.	Name	Elevation	Dist.	Depth of Snow	Water Content	Date Year	**Average

COLUMBIA RIVER BASIN

Kootenai

15A15M	Barron Creek	2800	48	7.5	3/3	6.3	6.5
14A10M	Murphy Lake R.S.	3300	49	24.6	3/3	19.5	21.7
17A02M	Baron R.S.	3050	49	23.0	3/4	21.8	21.9

Flathead

17A07M	Desert Mountain	5600	54	8.4	4/25	7.3	7.5
17A03M	Marias Pass	5250	54	6.5		5.8	5.3

Clark Fork

13C11M	Black Pine	7200	48	10.0	2/28	5.2	-
13C12M	Georgetown Lake	6450	48	9.0	3/1	3.6	2.8
13B10M	Stanley Lake R.S.	6700	48	11.9	3/1	9.9	-
13C03M	Skalkaho Summit	7500	48	10.8	2/28	10.0	8.9

Bitterroot

13D10M	Gibbons Pass	7200	48	7.2	2/25	5.0	5.5
14C05M	Lolo Pass	5950	48	10.6	2/25	8.2	7.4

MISSOURI RIVER BASIN

Beaverhead

11A13M	Lakeview	6900	48	15.3	3/1	6.0	12.6

Madison

10D04M	Red Mtn.	4300	40	4.7	3/1	2.4	2.3

Gallatin

10D15M	Bridger Bowl	7200	48	15.8	3/1	13.6	-
11B03M	Cottage Site	6850	50	14.5	2/25	12.5	10.0
10D13M	Lick Creek	5800	48	10.8	3/2	12.1	-
11B04M	Swamp-Cow Mtns	7250	48	10.0	2/28	3.0	1.5

Missouri Main Stem

10D01M	Lions Hill	7420	48	11.8	3/3	8.8	7.8
12C08M	Steeple Rock	6300	48	5.9	2/28	4.4	4.2

Yellowstone

10D12M	Battle Ridge	6400	48	17.6	2/25	13.0	15.6
10D07M	Northeast Entrance	7340	48	9.4	2/22	7.5	5.9

**AVERAGE FOR PERIOD OF RECORD

RESERVOIR STORAGE DATA

AS OF FEBRUARY 28, 1966

(1000 Acre Feet)

BASIN	RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVERAGE
COLUMBIA RIVER BASIN					
Flathead	Hungry Horse	3,428.0	2,272.0	2,370.0	2,436.3**
	Flathead Lake	1,791.0	918.3	1,143.0	845.1
	Camas (Sum or 4)	45.2	28.8	20.3	32.2
	Mission Valley (Sum of 8)	100.3	58.7	39.3	34.5
Clark Fork	Georgetown Lake	31.0	26.8	26.9	23.2
	Noxon Rapids	334.6	308.3	287.3	-
Bitterroot	Como	34.9	14.6	15.4	11.8
	Painted Rocks	31.7	16.9	22.6	13.5**
MISSOURI RIVER BASIN					
Beaverhead	Clark Canyon	328.9	151.1	75.7	-
	Lima	84.0	45.9	45.7	26.1
Ruby	Ruby	38.8		-	23.0**
Madison	Hebgen Lake	377.5	222.3	220.8	179.1
	Ennis Lake	41.0	38.6	33.5	37.3
Gallatin	Middle Creek	8.0	1.8	3.9	3.6**
Missouri	Canyon Ferry	2,043.0	1,551.0	1,763.0	1,514.9**
	Hauser & Helena	61.9	62.4	61.3	53.9
	Lake Helena	10.4	10.7	10.2	7.8
	Holter Lake	81.9	81.7	40.1	50.7
	Smith River	10.7	7.4	8.7	5.6**
	Ackley Lake	5.8		-	3.5
	Durand	7.0	5.4	6.3	4.2**
	Martinsdale	23.1	11.8	7.5	8.0**
	Deadman's Basin	72.2	67.4	48.0	39.8**
	Fort Peck	19,410.0	16,700.0	15,220.0	10,595.1
Sun	Gibson	105.0	50.8	48.0	58.5
	Willow Creek	32.3	23.8	15.8	19.6
	Pishkun	32.0	18.8	17.4	18.4
Marias	Lower Two Medicine		-	-	0.0
	Four Horns	19.2		13.1	10.5
	Swift		-	-	22.0
	Lake Frances	112.0	93.8	81.9	91.8
	Tiber	1,347.0	656.1	692.1	629.4**
Milk	Fresno	127.2	81.5	62.8	58.6
	Nelson	66.8	48.7	35.6	35.4
	Lake Sherburne	66.1	12.9	16.3	21.6
Yellowstone	Mystic Lake	20.8	10.5	8.5	7.8
	Tongue River	68.0		-	13.1
	Cooney	27.5	17.9	14.8	11.1**
Big Horn	Boysen	700.3	320.3	296.4	227.2
	Buffalo Bill	373.1	269.7	143.5	144.2
	Bull Lake	151.7	99.0	85.6	61.8
	Yellowtail	1,409.0	205.0	-	-

NOTE: ALL AVERAGES BASED ON 1948-1962 (15 YEAR PERIOD). **AVERAGE FOR PERIOD OF RECORD

RESERVOIR STORAGE DATA

AS OF FEBRUARY 28, 1966

BASIN	RESERVOIR	USABLE CAPACITY	USABLE STORAGE THIS YEAR	USABLE STORAGE LAST YEAR	AVERAGE
COLUMBIA RIVER BASIN					
Flathead	Hungry Horse	3,428.0	2,272.0	2,370.0	2,436.2***
	Flathead Lake	1,791.0	918.3	1,142.0	845.1
	Swan (Pos nr 4)	45.2	28.8	20.3	32.8
	Kerr (Pos of 8)	100.5	33.7	39.3	34.5
Clark Fork	Georgetown Lake	31.0	26.8	26.9	23.2
	Noxon Rapids	334.8	328.3	287.3	-
Rattlesnake	Nine	34.9	14.6	15.4	11.8
	Painted Rocks	31.7	16.9	22.6	17.5***
MISSOURI RIVER BASIN					
Beaverhead	Clark Canyon	329.9	191.3	75.7	-
	Lima	84.0	45.9	45.7	26.2
Ruby	Ruby	38.8	-	-	25.0***
Madison	Hebgen Lake	377.5	322.3	320.8	179.1
	Earth Lake	41.0	38.6	33.5	27.3
Gallatin	Middle Creek	8.0	1.8	3.9	3.6***
Missouri	Canyon Ferry	2,042.0	1,551.0	1,763.0	1,514.0***
	Hauser & Holmes	61.9	62.4	61.3	51.9
	Lake Helena	10.4	10.7	10.2	7.8
	Holter Lake	81.9	81.7	40.1	30.7
	Smith River	10.7	7.4	8.7	5.0***
	Ackley Lake	5.8	-	-	3.5
	Durand	7.0	5.4	6.3	4.3***
	Martinsdale	23.1	11.8	7.5	8.0***
	Deadman's Basin	72.2	67.4	18.0	39.8***
	Fort Peck	19,410.0	16,700.0	15,420.0	10,395.1
Sun	Gibson	105.0	50.8	48.0	50.5
	Willow Creek	32.3	23.8	15.8	19.6
	Pishkun	32.0	18.8	17.4	18.4
Marias	Lower Two Medicine	-	-	-	0.0
	Four Horns	19.2	-	13.1	10.5
	Tiber	-	-	-	22.0
	Lake Frances	112.0	93.8	81.9	91.6
	Tiber	1,347.0	656.1	692.1	639.1***
Milk	Fresno	127.2	81.5	62.6	58.6
	Nelson	66.8	48.7	35.6	35.4
	Lake Sherburne	86.1	23.8	16.3	21.6
Yellowstone	Hyalite Lake	20.8	10.5	8.5	7.8
	Tongue River	68.0	-	-	13.1
	Cooney	27.8	17.8	14.8	11.1***
Big Horn	Boysen	700.3	320.3	295.1	327.2
	Buffalo Bill	373.1	369.7	143.5	111.2
	Bull Lake	151.7	99.0	85.6	61.8
	Yellowtail	1,409.0	805.0	-	-

NOTE: ALL AVERAGES BASED ON 1956-1965 (10 YEAR PERIOD). "AVERAGE FOR PERIOD OF RECORD

Agencies Cooperating in Collecting Data Contained in this Bulletin

U. S. Forest Service
Region 1, Missoula, Montana

U. S. Geological Survey
Helena, Montana

U. S. Army Corps of Engineers
Portland, Oregon
Seattle, Washington
Omaha, Nebraska

U. S. Indian Irrigation Service
St. Ignatius, Montana

U. S. Weather Bureau
Helena, Montana

U. S. Bureau of Sports Fisheries and Wildlife
Red Rock Lakes Refuge
Monida, Montana

U. S. Bureau of Reclamation
Billings, Montana
Boise, Idaho

U. S. Soil Conservation Service
Montana, Wyoming, Idaho

Soil and Water Conservation Districts
Montana Counties

U. S. Bonneville Power Administration
Portland, Oregon

U. S. National Park Service
Yellowstone National Park
Glacier National Park

Montana Power Company
Butte, Montana

State Water Conservation Board
Helena, Montana

North Montana Branch Station
Agricultural Experiment Station
Havre, Montana

Montana State University
Agricultural Experiment Station
Bozeman, Montana

University of Montana
School of Forestry
Missoula, Montana

Johnson Flying Service, Inc.
Missoula, Montana

Water Rights Branch, Dept. of Lands and Forests
Victoria, British Columbia

Department of Northern Affairs and National Resources
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